

09/983,061

The following is a complete listing of all claims in the application, with an indication of the status of each:

CLAIMS

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is as follows:

1 1. (Original) A device for producing synthetic fiber materials, with a polymer melt feed
2 leading to a rotating hollow reactor, whose wall can be heated and which widens conically in
3 order to guide a film melt toward an open side that can be closed with a lid, and with ribs for
4 dividing the melt film into fibers that grow rigid after leaving the hollow reactor, wherein the
5 hollow reactor is vertically oriented and exhibits on its curved upper side an opening for
6 introducing the polymer melt, while a rotating distributor plate is positioned opposite the
7 opening, at a slight distance from the inner wall of the hollow reactor.

1 2. (Original) A device according to claim 1, wherein the distance between the distributor
2 plate and the inner wall of the hollow reactor can be adjusted.

1 3. (Original) A device according to claim 1, wherein the distributor plate exhibits a
2 surface that faces the opening and that rises toward the rim.

1 4. (Amended) A device according to claim 3 1, wherein the distributor plate exhibits an
2 upper side that curves in concave fashion and faces the opening.

1 5. (Original) A device according to claim 4, wherein the diameter of the opening is smaller
2 than the diameter of the distributor plate is positioned on said distributor
3 plate.

1 6. (Original) A device according to claim 5, wherein the diameter of the truncated cone is
2 on the same order of magnitude as the diameter of the opening of the feed.

1 7. (Original) A device according to claim 1, wherein the inner wall of the hollow reactor
2 is parabolic in shape.

1 8. (Original) A device according to claim 1, wherein the ribs on the inner wall of the
2 hollow reactor run vertical to the rim in the lower area.

1 9. (Original) A device according to claim 1, wherein the hollow reactor, together with a
2 surrounding container, forms a curved gap, to which a steam feed and a steam outlet are attached.

1 10. (Original) A device according to claim 9, wherein the steam feed and the steam outlet
2 are positioned on the upper and lower rim of the hollow reactor.

1 11. (Original) A device according to claim 9, wherein the steam is guided through the gap
2 in circulating fashion.

1 12. (Original) A device according to claim 11, wherein the steam is conducted through
2 the curved gap in the same direction as the melt flowing as a film on the inner wall of the hollow
3 reactor.